

ITACET Tunnel Training Course

Vancouver, May 14 – 15, 2010



First day – Friday May 14, 2010		
Opening	8.00-8.15	
General aspects of tunnel construction and choice of construction method	8.15-9.00	A. Assis, University of Brasilia / ITACET Foundation
Health & Safety during tunnelling construction	9.00-9.45	D. Lamont, ITA WG Animateur
Site characterization for deep tunnels	9.45-10.30	Derek Martin, University of Alberta
Break	10.30-11.00	
Tunnel design for deep tunnels in poor rock	11.00-11.45	E. Hoek, Consultant
Effect of drainage around deep tunnels	11.45-12.30	E. Eberhardt, University of British Columbia
Discussion	12.30-12.45	
Lunch	12.45-14.00	
Numerical modelling of deep tunnels	14.00-14.45	J. Carvalho, Golder Associates
Ground reinforcements in conventional tunnelling and face stability	14.45-15.30	G. Anagnostou, ETH Zurich
Break	15.30-16.00	
Ground and tunnel monitoring: lessons learned form case histories	16.00-16.45	F. Amberg, ITACET Foundation / ITA-COSUF Committee
Conventional tunnelling: lessons learned from case histories	16.45-17.30	P. Grasso, ITA Executive Council
Conventional tunnelling: lessons learned from case histories	17.30-18.15	R. Galler, ITA WG Vice Animateur
Discussion	18.15-18.30	

Second day – Saturday May 15, 2010		
Mechanized tunnelling for rock and soil - General aspects and types of machines	8.00-8.45	L. Babendererde & M. Thewes, ITA WG animateur & ITA ExCo Member
Soil conditioning for EPB tunneling and backfilling	8.45-9.30	D. Peila & R. Schulkins, ITACET Foundation & MAPEI SpA
Hard rock TBM technology - Open hard rock & double shield TBM	9.30-10.15	Lok Home, Robbins
Break	10.15-10.45	
Mechanized tunneling: lessons learned from large size hard rock TBMs (Gotthard Base Tunnel)	10.45-11.30	H. Ehrbar, ITA WG animateur
Risk management and contracts in tunnelling design	11.30 -12.15	S. Eskesen & M. Knights, ITA Executive Council
Discussion	12.15.-12.30	
Lunch	12.30-13.45	
Tunnel lining waterproofing	13.45-14.30	W. Aldrian, MEYCO-BASF
Tunnel lining shotcrete	14.30-15.15	E. Cuerel & K. Somapura, Sika
Innovation in conventional tunneling equipments	15.15-16.00	T. Melbye, Normet
Break	16.00-16.15	
Design of segmental lining	16.15-17.00	F. Gruebl, ITACET Committee
Soft ground mechanized tunnelling: lessons learned from EPB case histories	17.00-17.45	M. Giorelli, Lovat
Soft ground mechanized tunneling: lessons learned from Large Size TBMs	17.45-18.30	M. Herrenknecht, Herrenknecht
Discussion	18.30-19.00	